

1
FIG.

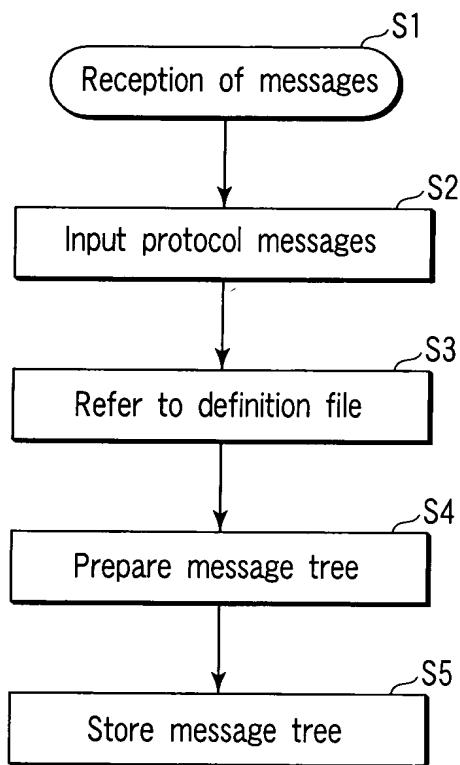


FIG. 2A

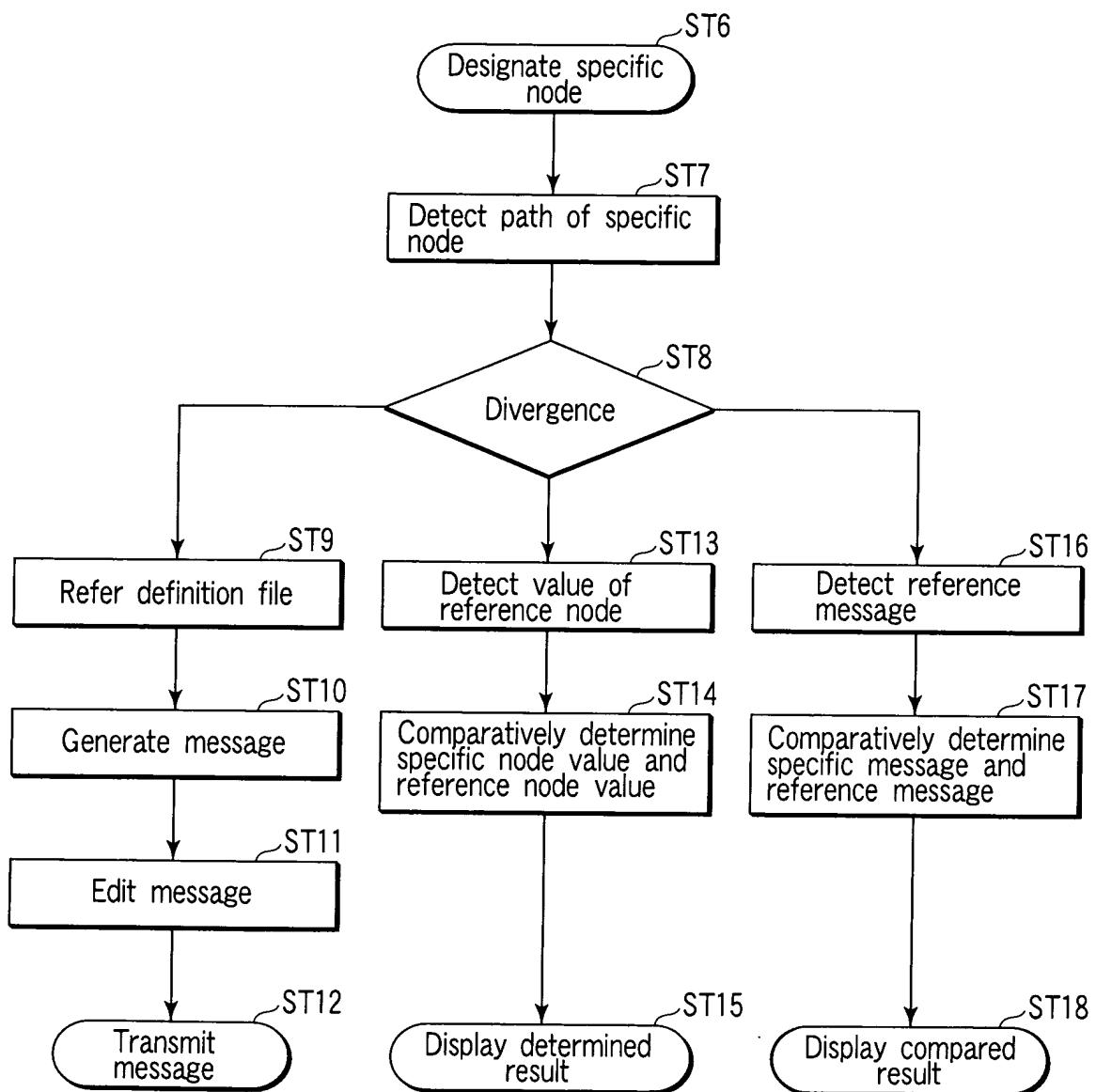


FIG. 2B

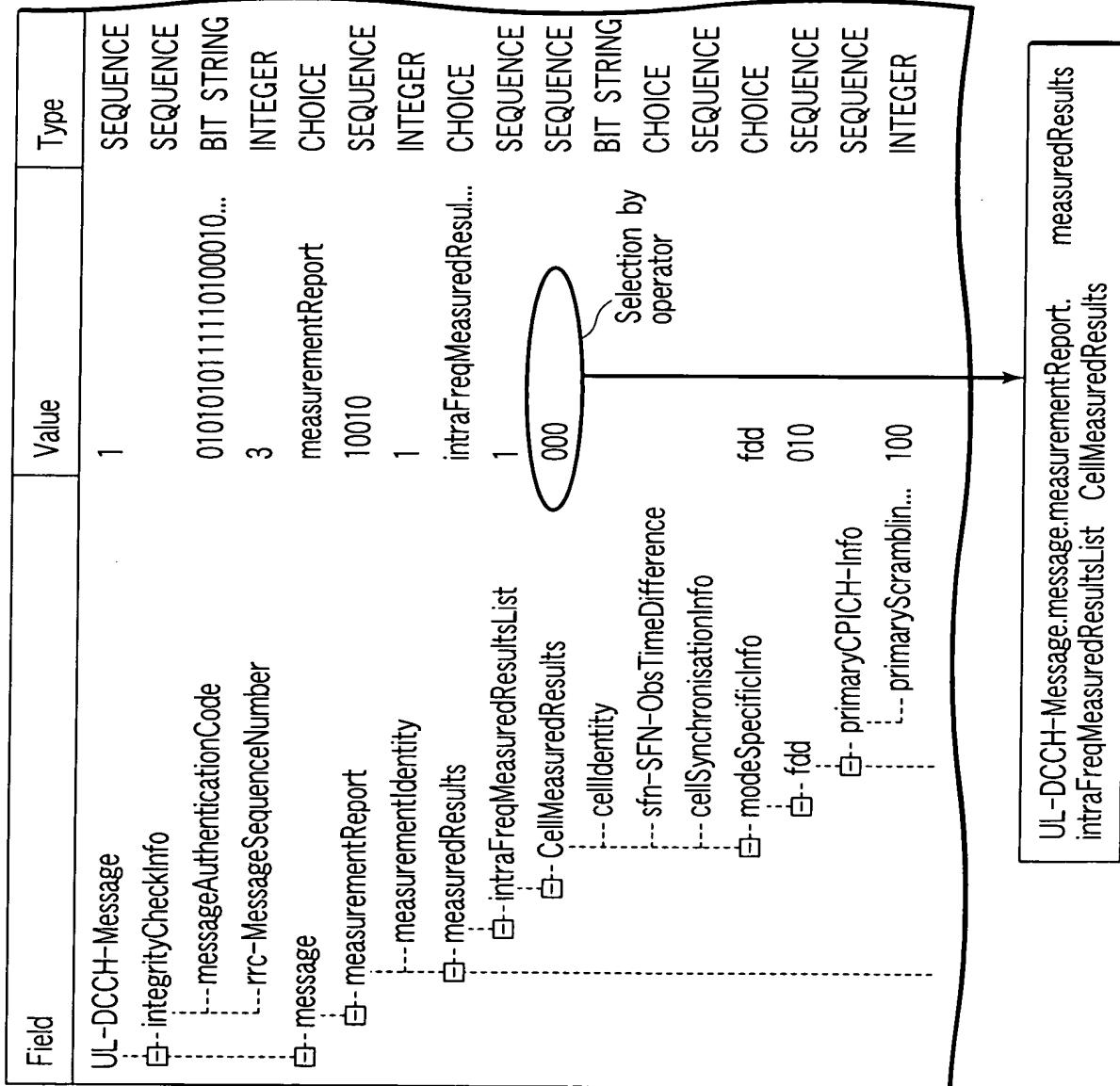


FIG. 3

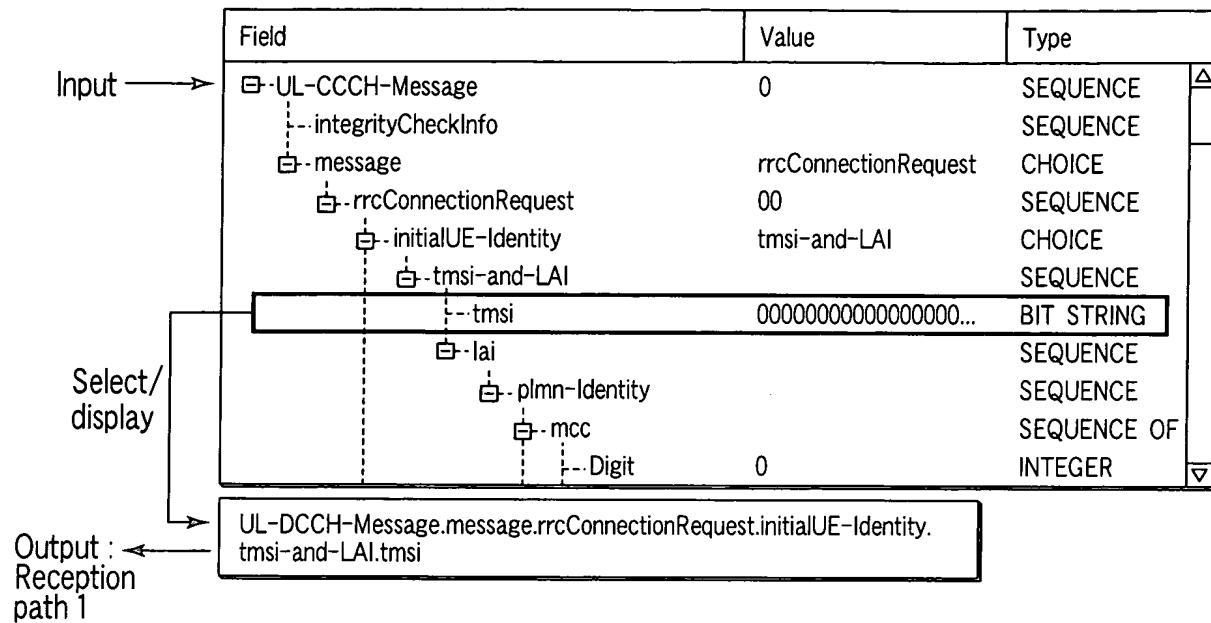


FIG. 4A

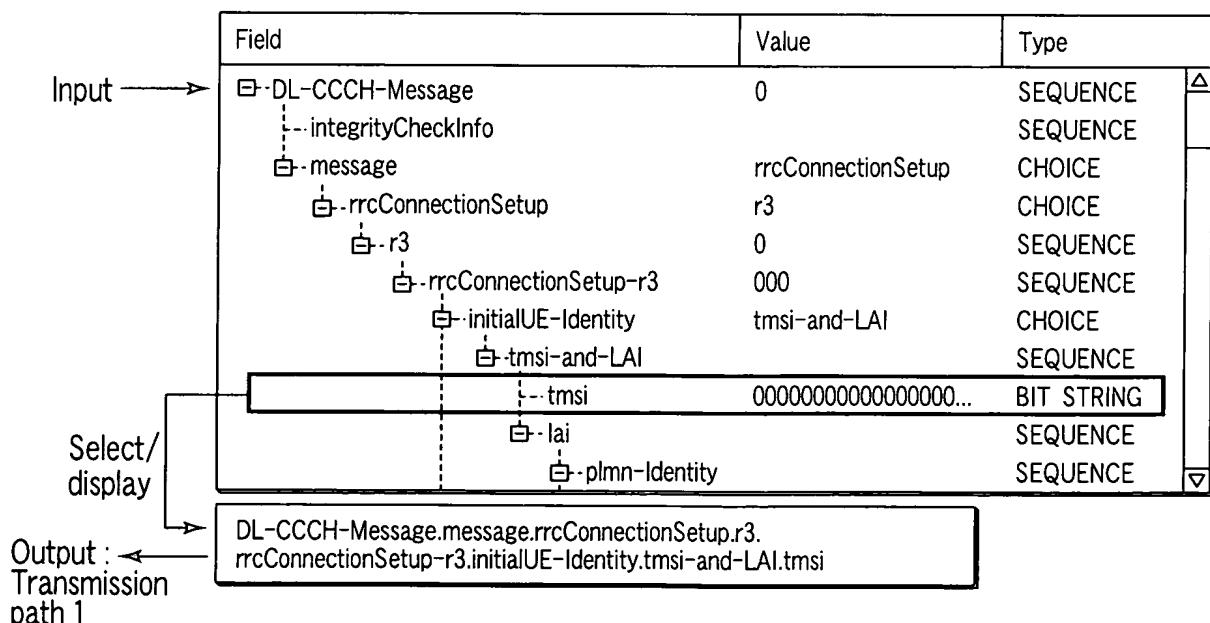


FIG. 4B

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Line	Scenario
1	ReceiveMessage (RcvDataTmp);
2	API_Decode (RcvDataTmp, r_buff);
3	API_GetValueAt (r_buff, Reception path 1, variable 1);
4	API_Decode (Default Transmit Message, s_buff);
5	API_SetValueAt (s_buff, Transmission path 1, variable 1);
6	API_Encode (s_buff, Transmit Message);
7	SendMessage (Transmit Message);

FIG. 5

Field	Value	Reference	Type
DL-DCCH-Message	0	0	SEQUENCE
---integrityCheckInfo			SEQUENCE
└─message			CHOICE
└─downlinkDirectTransfer	downlinkDirectTransfer	downlinkDirectTransfer	CHOICE
└─r3	r3	r3	CHOICE
└─r3	0	0	SEQUENCE
└─downlinkDirectTransfer-r3			SEQUENCE
└─rrc-TransactionIdentifier	0	ps-domain	INTEGER
└─cn-DomainIdentity		ps-domain	ENUMERATED
└─nas-Message	0802203490144F0010080...	0802203490144F0010080...	OCTET STRING
└─nonCriticalExtensions		Correct solution value	SEQUENCE

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Field	Value	Type	Field	Value	Type
UL-DCCH-Message	0	SEQUENCE	UL-DCCH-Message	0	SEQUENCE
- integrityCheckInfo		SEQUENCE	- integrityCheckInfo		SEQUENCE
- messageAuthenticationCode	01010111110100010...	BIT STRING	- message	measurementReport	CHOICE
- rrc-MessageSequenceNumber	3	INTEGER	- measurementReport	10010	SEQUENCE
- message	measurementReport	CHOICE	- measurementIdentity	1	INTEGER
- measurementReport	10010	SEQUENCE	- measuredResults	intraFreqMeasuredResult...	CHOICE
- measurementIdentity	1	INTEGER	- intraFreqMeasuredResultsList	1	SEQUENCE
- measuredResults	intraFreqMeasuredResult...	CHOICE	- CellMeasuredResults	010	SEQUENCE
- intraFreqMeasuredResultsList	1	SEQUENCE	- cellIdentity		BIT STRING
- CellMeasuredResults	000	BIT STRING	- sfn-SFN-Obs TimeDifference	type1	CHOICE
- cellIdentity	A1	CHOICE	- type1	0	SEQUENCE
- sfn-SFN-Obs TimeDifference		SEQUENCE	- cellSynchronisationInfo		CHOICE
- cellSynchronisationInfo		SEQUENCE	- modeSpecificInfo	fd	SEQUENCE
- modeSpecificInfo	fd	CHOICE	- fdd	010	SEQUENCE
- fdd	010	SEQUENCE	- primaryCPICH-Info		INTEGER
- primaryCPICH-Info		SEQUENCE	- primaryScrambl...	100	INTEGER
- primaryScrambl...	100	INTEGER	- cpich-EC-NO		INTEGER
- cpich-RSCP		INTEGER	- pathloss	84	INTEGER

Field	Value	Type	Field	Value	Type
UL-DCCH-Message	1	SEQUENCE	UL-DCCH-Message	1	SEQUENCE
- integrityCheckInfo	01010111110100010...	BIT STRING	- integrityCheckInfo		SEQUENCE
- messageAuthenticationCode	3	INTEGER	- message	measurementReport	CHOICE
- rrc-MessageSequenceNumber	measurementReport	CHOICE	- measurementReport	10010	SEQUENCE
- message	10010	SEQUENCE	- measurementIdentity	1	INTEGER
- measurementReport	intraFreqMeasuredResult...	CHOICE	- measuredResults	intraFreqMeasuredResult...	CHOICE
- measurementIdentity	1	INTEGER	- intraFreqMeasuredResultsList	1	SEQUENCE
- measuredResults	intraFreqMeasuredResult...	CHOICE	- CellMeasuredResults	010	SEQUENCE
- intraFreqMeasuredResultsList	1	SEQUENCE	- cellIdentity		BIT STRING
- CellMeasuredResults	000	BIT STRING	- sfn-SFN-Obs TimeDifference	type1	CHOICE
- cellIdentity	A1	CHOICE	- type1	0	SEQUENCE
- sfn-SFN-Obs TimeDifference		SEQUENCE	- cellSynchronisationInfo		CHOICE
- cellSynchronisationInfo		SEQUENCE	- modeSpecificInfo	fd	SEQUENCE
- modeSpecificInfo	fd	CHOICE	- fdd	010	SEQUENCE
- fdd	010	SEQUENCE	- primaryCPICH-Info		INTEGER
- primaryCPICH-Info		SEQUENCE	- primaryScrambl...	100	INTEGER
- primaryScrambl...	100	INTEGER	- cpich-EC-NO		INTEGER
- cpich-RSCP		INTEGER	- pathloss	84	INTEGER

FIG. 7

Field	Value	Type
✉-UL-CCCH-Message	0	SEQUENCE
└-integrityCheckInfo		SEQUENCE
✉-message	rrcConnectionRequest	CHOICE
✉-rrcConnectionRequest	00	SEQUENCE
└-initialUE-Identity	tmsi-and-LAI	CHOICE
└-tmsi-and-LAI		SEQUENCE
└-tmsi	0000000000000000...	BIT STRING
└-lai		SEQUENCE
└-plmn-Identity		SEQUENCE
└-mcc		SEQUENCE OF
└-Digit	0	INTEGER

FIG. 8A (PRIOR ART)

Field	Value	Type
✉-UL-CCCH-Message	1	SEQUENCE
└-integrityCheckInfo	0000000000000000...	SEQUENCE
└-messageAuthenticationCode	0	BIT STRING
└-rrc-MessageSequenceNumber	rrcConnectionRequest	INTEGER
✉-message	00	CHOICE
✉-rrcConnectionRequest	tmsi-and-LAI	SEQUENCE
└-initialUE-Identity		CHOICE
└-tmsi-and-LAI	0000000000000000...	SEQUENCE
└-tmsi		BIT STRING
└-lai		SEQUENCE
└-plmn-Identity		SEQUENCE
└-mcc		SEQUENCE OF
└-Digit	0	INTEGER

FIG. 8B (PRIOR ART)

Related portion extracted from TS25.331

```
UL-CCCH-Message ::= SEQUENCE {
    integrityCheckInfo    IntegrityCheckInfo      OPTIONAL,
    message               UL-CCCH-MessageType
}
IntegrityCheckInfo ::= SEQUENCE {
    messageAuthenticationCode  MessageAuthenticationCode,
    rrc-MessageSequenceNumber RRC-MessageSequenceNumber
}
MessageAuthenticationCode ::= BIT STRING (SIZE (32))
RRC-MessageSequenceNumber ::= INTEGER (0 ... 15)
UL-CCCH-MessageType ::= CHOICE {
    cellUpdate           CellUpdate,
    rrcConnectionRequest RRCCConnectionRequest,
    UraUpdate            URAUpdate,
    spare                NULL
}
```

FIG. 9 (PRIOR ART)

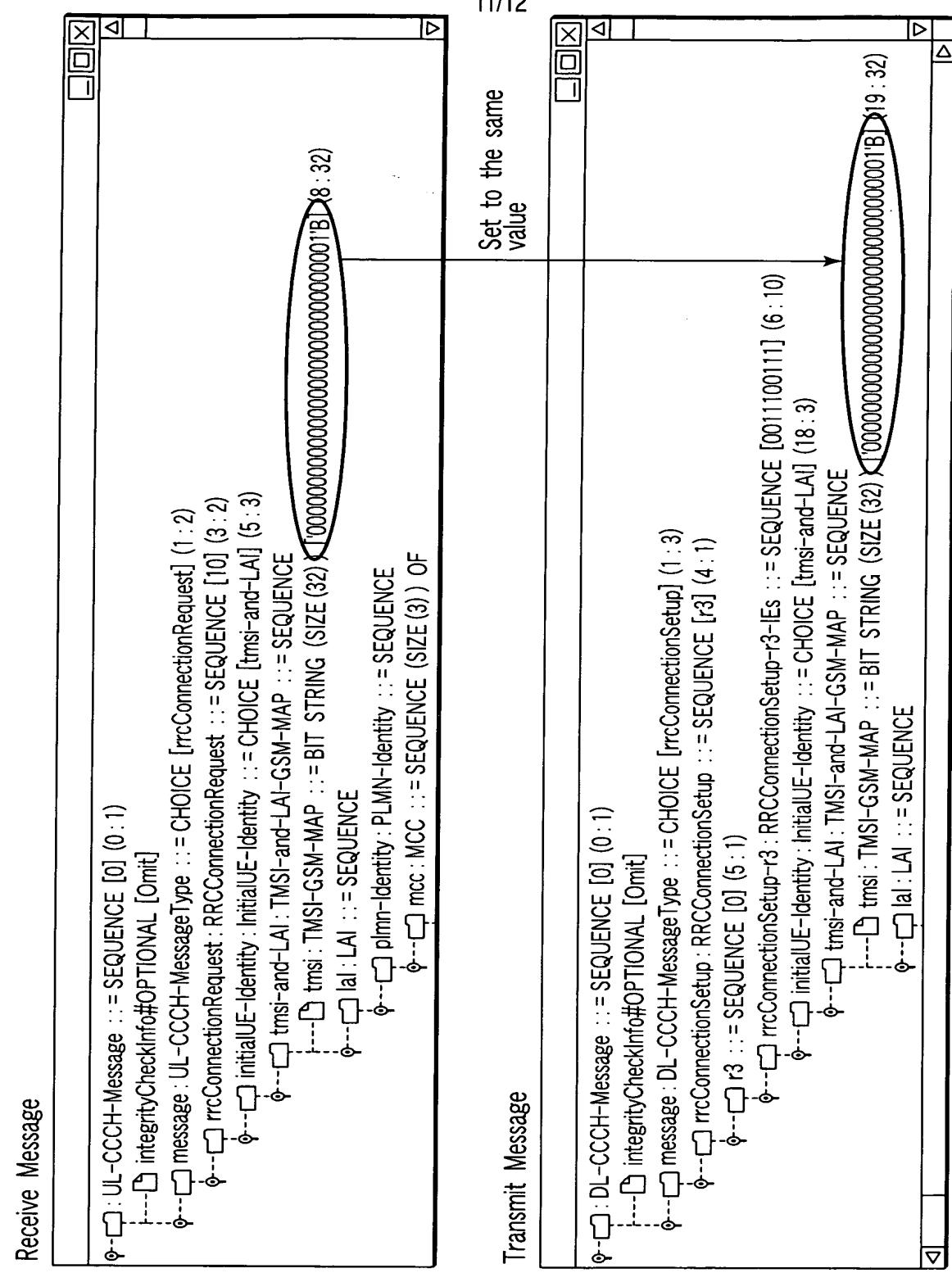


Fig. 10
(PRIOR ART)

